

SPLIT

Work Order ID 94014-2

94014

PRELIMINARY ISSUE

Page 1

Item ID: D4735-1

Accept

N900040100

Setup Start *NS1*

Revision ID: ~~PRELIM~~

Item Name: Scuff Plate

Stop *NS2*

Start Date: 11/29/12 Start Qty: 20.00

20

Cust Item ID:

Required Date: 12/19/12 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals:

Process Plan: CL

Date: 12/11/12 Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop *NR2*

Sequence ID:
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4735

PA A EQS 12/19/12

0.00

100

100

Purchasing

Memo

0.00

Purchasing

Issue P/O: 18539
Make as per Dwg D4735
Possible Supplier: G.F.Y.
Material release note is required

CL 12/11/12 (20)

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

12/11/11 (10)

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

DAS
16
13/1/11

(10)

Quality Control

Work Order ID 94014

November 29, 2012 12:59:18 PM

94014

Page 2

Item ID: D4735-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: PRELIM Stop ***NS2***
 Item Name: Scuff Plate
 Start Date: 11/29/12 Start Qty: 20.00 ***20*** Cust Item ID:
 Required Date: 12/19/12 Req'd Qty: 20.00 ***20*** Customer:
 Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: <u>PPP</u> <u>95360</u> Memo	0.00 0.00				10			12-01-11 JB
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							13/1/14 JF mf 13-1-11

POSITIVE RECALL

EFFECTIVE 12/1/12 AUTH W

RELEASED W DATE 13/01/14

Picklist Print

November 29, 2012 12:59:17 PM

Page 1

Work Order ID: 94014
Parent Item: D4735-1
Parent Item Name: Scuff Plate

Start Date: 11/29/12
Start Qty: 20.00

Required Date: 12/19/12
Required Qty: 20.00

Comments: IPP REV:A 12.11.01 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4735-1P Scuff Plate		Manufactured	No			110	Each	0.0000	1	20			

11/29/12

8

7

6

5

4

3

2

1

D

C

B

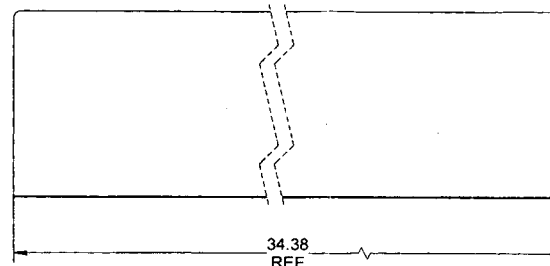
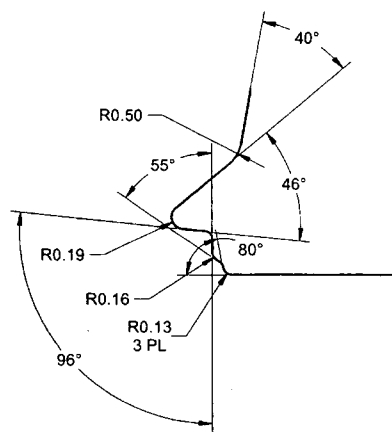
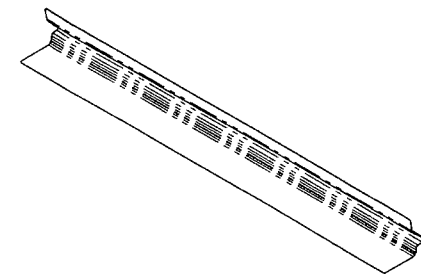
A

D

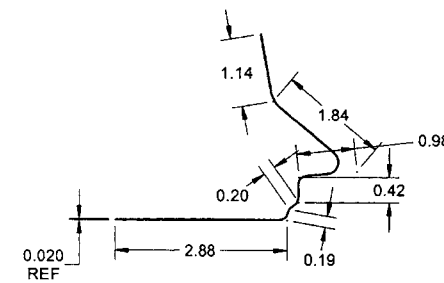
C

B

A



D4735-1 SCUFF PLATE



94014

RELEASED
13.01.04
ECN 12-696

NOTES:

- 1) MATERIAL: MAKE FROM D4735-1F FLAT PATTERN
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 1.40 lbs

A	NEW ISSUE	RF	12.11.01
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE USA, INC. KENT, WA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RF	D4735	SHEET 1 OF 2
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	SCUFF PLATE	NTS
DATE	12.11.01	COPYRIGHT © 2012 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMERCE, AND TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

8

7

6

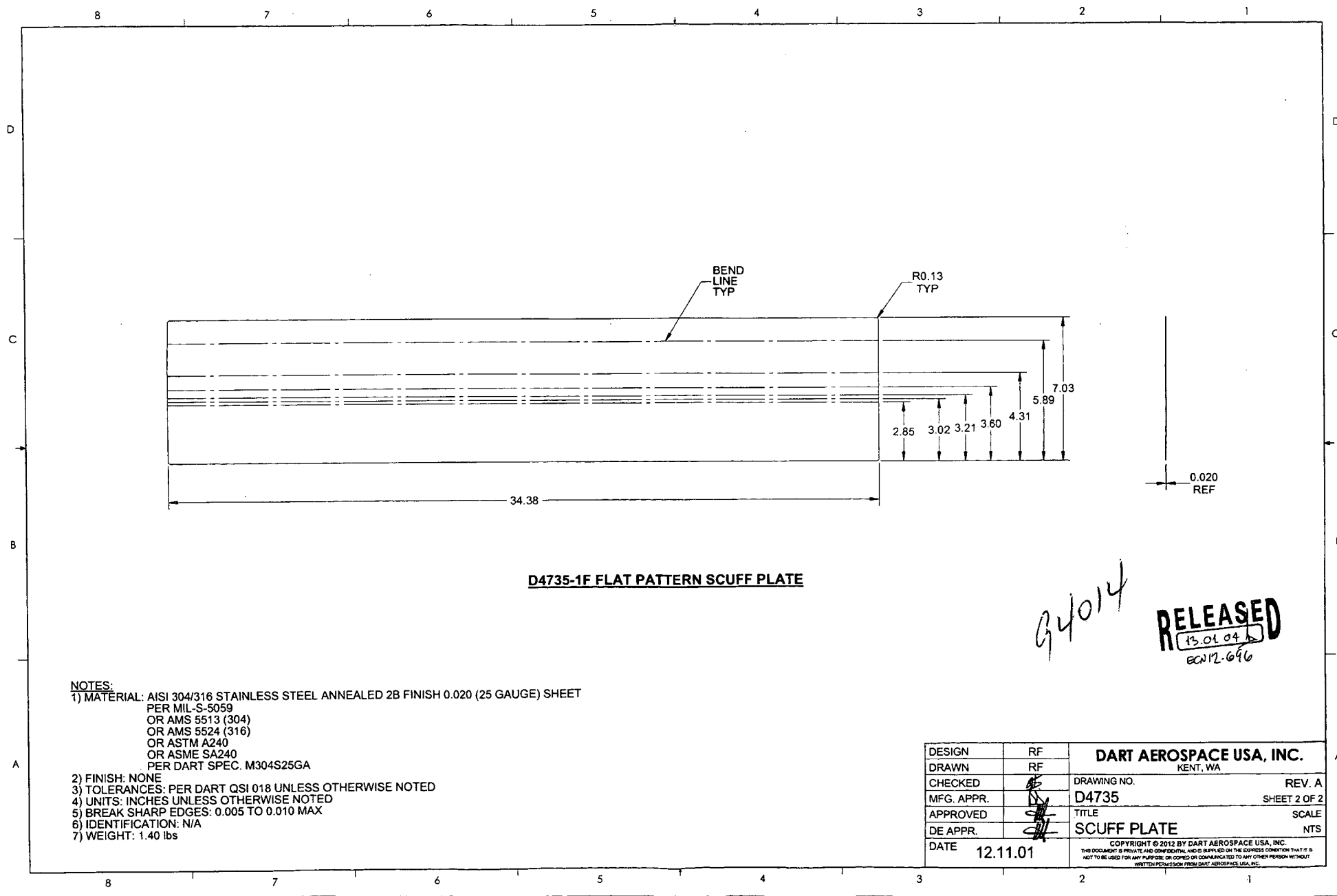
5

4

3

2

1



D4735-1F FLAT PATTERN SCUFF PLATE

94014

RELEASED
13.01.04
BCW12-696

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ANNEALED 2B FINISH 0.020 (25 GAUGE) SHEET
PER MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240
PER DART SPEC. M304S25GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 1.40 lbs

DESIGN	RF	DART AEROSPACE USA, INC. KENT, WA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	D4735	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	SCUFF PLATE	NTS
DATE	12.11.01	COPYRIGHT © 2012 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18539

Purchase Order Date 11/29/12

PO Print Date 11/29/12

Page Number 1 of 1

Order From :

VC-GFI001

GFI
180 AVENUE LABROSSE
POINTE CLAIRE, QC H9R 1A1
CA

Contact Name

Vendor Phone 514 630 4877

Vendor Fax 514 630 4849

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
C212/11/11

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D4735-1P	Scuff Plate	12/19/12 Yes	20.00 Each	FedEx PI collect	\$110.0000	\$2,200.00

Special Inst: AS PER DWG D4735 REV. PA1
B94014

PO Total:

\$2,200.00

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 11/29/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE JR DY MO MO AN YR			N° DE BON DE LIVRAISON SHIPPING MEMO NO	PAGE
09	01	13	0504750	1/1



VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT CUSTOMER CODE	N° DE CONTRAT JOB NO	VOIRE N° DE COMMANDE YOUR PURCHASE ORDER NO	EXPÉDIÉ PAR SHIP VIA
DART	GFI-0299	0260581	PO18539

QUANTITÉ QUANTITY	N° DE PIÈCE PART NO	DESCRIPTION
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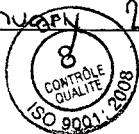
10 D4735-1P

SCUFF PLATE

CERTIFICATE OF CONFORMANCE REQ

MFG. JOB# J0260581-002 QTY 10 pcs.

DUE DATE: 11 January 2013



EXPÉDITEUR
SHIPPER

N° DE BON DE LIVRAISON
SHIPPING MEMO NO



REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. 3		OUR JOB NO J0260581		SHIPPING MEMO 0504750	
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME
-	10 PCS	PO18539	D4735-1P	PA3	SCUFF PLATE
					PA3
MATERIAL		SUPPLIED BY		MAT. REL. NO.	
AMS 5911 304 1/2 HARD		SIGMA/PRECISION SPECIALTY/NORTH AMERICAN STAINLESS		H/N D1R0	


	PROCESS	PROCESSOR	RELEASE NOTE #
1	FIRST ARTICLE INSPECTION REPORT ATTACHED	GFI	N/A
2	REF. GFI MANUFACTURING JOB NUMBER J0260581-002 (10 PCS)	GFI	
3			
4			
5			
6			
7			
8			
9			

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE **10 JANUARY 2013**

G.F.I. Q.C. REP.

[Signature]





METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 767132 02 Mail To:
PRECISION SPECIALTY METALS, INC.
3301 MEDFORD STREET
LOS ANGELES, CA 90063

Ship To:
PRECISION SPECIALTY METALS, INC.
3301 MEDFORD STREET
LOS ANGELES, CA 90063

Date: 9/05/2012 Page: 1

Steel: 304

Finish: 2B

Your Order: C64041

NAS Order: AN 0527625 01

Corrosion: ASTM A262/62ak; 100Bend-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED; UNS 30400
ASTM A240/11b, A480/11b, A666/10, ASME SA240/11a, SA480/11a, SA666/11a
CHEM ONLY ON FOLLOWING ASTM: A276/10, A479/11, A484/11, A312/11
CHEM ONLY ON FOLLOWING ASME: SA312/11, SA479/11
AMS 5513J IMR; MIL-8-5059D AMEND3 (X CROWN MEAS)
NACE MR0175/ISO 15156-3:2003 A, MR0103/07; Q376SD-A X MAG FERR
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS Compliant
Material is Free of Radioactive Contamination
NAS Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mfg. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DFRS Compliant

Product ID #	Coil #	Thickness	Width	Weight	Length	Mark	Pieces
03D1R0 B	* 03D1R0 B	.0595	37.0000	15,670	COIL	2098.8 11	1

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical analysis per ASTM A751/08

HEAT	CM	AL %	B %	C %	CO %	CR %	CU %	NI %	NO %	N %
D1R0	US	.0030	.0006	.0456	.1415	18.2295	.3215	1.6085	.1950	.0633
Lab Check:		< .0001	< .0001	.0472	.1380	18.0340	.2740	1.6100	.1940	.0637
		MB %	NI %	P %	S %	SI %				
Lab Check:		.0100	8.0660	.0335	.0010	.3270				
		.0090	8.0280	.0320	.0037	.3060				

MECHANICAL PROPERTIES

Product ID #	Coil #	1 d o i c r	UTS KSI	.2% YS KSI	ELONG %-2"	Hard RB	Tail Hard
03D1R0 B	03D1R0 B	F T	97.41	48.78	53.63	84.00	83.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ERIC BESS

9/05/2012

DATE: 12/28/2012
PO #: 0081724

FROM: SIGMA AEROSPACE METALS
SO #: 115949

TO: GFI INC.
PCS: 4 PCS.

Precision Specialty Metals, Inc
3301 Medford Street
Los Angeles, CA 90063

Certificate Of Test
Cert. # 107775-001

Date: 09/21/12
Page: 1

Sold To: 7440

Ship To: 0

Order Nbr: 107775
Specs: ASTM-A-666-10, AMS-5911-B

Cust. P.O.: 22454

Ln	Type	Fin	Temp	Thick	Width	Length	Job Nbr	Coil Nbr	Tst	Heat Nbr	Weight	Count
41304	2B	1/2		.0200 In	36.000 In	Coil	35525	06534	3	DIR0	8,262 Lbs	2 COILS

Chemical Analysis

Heat#	C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Ti	Ch	Ta	N	Co	Al	B	Fe	Other	Supplier
DIR0	.045	1.61	.033	.0010	.33	18.23	8.07	0.19	0.32				.063	0.14					N A S

Mechanical Properties And Test Results

Coil#	Test #	Heat#	Tensile PSI	Yield PSI .2% Offset	%Elong in 2"	Hardness	Conv.	Bend	Test Angle	Grain Size	Kahr	Lab#	Other
06534	3	DIR0	157200	129700	10	BON 55.7	RC 36	2XT	180			12-1049	

Other Tests and Comments

Coil	Test	Comment
06534	3	SURFACE ROUGHNESS: Ra 5 MICROINCHES MELT COUNTRY OF ORIGIN: U.S.A.
Notes:		CERTIFIED ALSO TO AMS-5904-B FOR TYPE 302

(Continued on Next Page)

TO: GFI INC.
PCS: 4 PCS.

FROM: SIGMA AEROSPACE METALS
SO #: 115949

DATE: 12/28/2012
PO #: 0081724

Precision Specialty Metals, Inc
3301 Medford Street
Los Angeles, CA 90063

Certificate Of Test
Cert. # 107775-001

Date: 09/21/12
Page: 2

The absence of interleave paper can lead to surface damage. Precision Specialty Metals, Inc. will assume no liability for damage paper interleave prevents, on orders that prohibit paper interleave.

I hereby certify that the above figures are correct as contained in the records of the company and the material meets the specifications stated.

Frida Naerman
Metallurgy Department

TO: GFI INC.
PCS: 4 PCS.

FROM: SIGMA AEROSPACE METALS
SO #: 115949

DATE: 12/28/2012
PO #: 0081724

Eric Downing

From: David Shepherd <dshepherd@dartaero.com>
Sent: Friday, January 04, 2013 12:19 PM
To: 'Linda Lacelle'
Cc: 'Eric Downing'; 'Pat Smith'
Subject: RE: d4735-1 - phi parts
Attachments: D4735RevA.PDF

Sorry Linda ... You're correct ... Parts should match the attached dwg.

David

From: Linda Lacelle [<mailto:llacelle@dartaero.com>]
Sent: January-04-13 9:39 AM
To: 'David Shepherd'
Cc: 'Eric Downing'; 'Pat Smith'
Subject: RE: d4735-1 - phi parts

The pkg was at REV.A, but if this is PA3, which is what a rec'd from Roberto at the time of order, then yes...not sure what you mean by rev.B

From: David Shepherd [<mailto:dshepherd@dartaero.com>]
Sent: January-04-13 11:46 AM
To: 'Linda Lacelle'
Cc: 'Eric Downing'; 'Pat Smith'
Subject: RE: d4735-1 - phi parts

Yup ... acceptable deviation ... Does the shape match Rev B of the dwg, which is part of the ECN package on Kim's desk?

David

From: Linda Lacelle [<mailto:llacelle@dartaero.com>]
Sent: January-04-13 9:09 AM
To: dshepherd@dartaero.com
Cc: 'Eric Downing'; Pat Smith
Subject: d4735-1 - phi parts
Importance: High

David, we just rec'd the parts and it looks like they used 304 SS, but ½ hard, is this acceptable? Need to know asap...

Linda Lacelle
Production manager
Dart Aerospace